

"Method of filling a mold with an organic material in the liquid state to mold an optical component, and molding method including said filling method"

ABSTRACT

The method includes the following steps:

- rise in flowrate (A), from a zero flowrate to a nominal flowrate (Dn) greater than 40 g/min,
- full flowrate filling (B), with the nominal flowrate (Dn) maintained, and
- flowrate reduction (C), to return from the nominal flowrate (Dn) to the zero flowrate.

The rise in flowrate step (A) is divided into at least two phases:

- low flowrate start of filling, until the mold is filled with the material to a height of at least 2 mm at the deepest point of the mold, the flowrate increasing during this phase to a maximum start of filling flowrate of less than 20 g/min, and then
- main rise in flowrate (A2), to the nominal flowrate (Dn).

Figure 7